



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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RPT 12-07

AGRICULTURAL NEWS: Showers gave growers limited relief over the weekend. Eastern areas of the state received the most rainfall. Western and central areas had more scattered showers, but most areas of Kentucky remain very dry and crops are becoming stressed from lack of moisture. A few farmers are irrigating corn and tobacco. Precipitation for the week remained below normal for the fifth week in a row and averaged 0.53 inches Statewide. The Bluegrass region received up to 1.8 inches of rain while some areas of the state received very little. Temperatures averaged 73 degrees, 1 degree above normal. **Topsoil moisture** was rated as 35 percent very short, 41 percent short, 21 percent adequate and 3 percent surplus. **Subsoil moisture** was rated 26 percent very short, 44 percent short, 29 percent adequate, and 1 percent surplus. There were 5.7 days suitable for fieldwork. Many areas are reporting that the ground is too dry and hard to complete planting. Livestock are receiving hay to supplement pasture feed in a few areas.

TOBACCO: Burley setting was 85 percent complete as of Sunday, June 10, compared with 79 percent for last year and the five-year average of 76 percent. Eighty five percent of the dark tobacco had been set. Last year 78 percent had been set and the five-year average was 77 percent. About 84 percent of tobacco plants were under 12 inches high, with 16 percent 12 -24 inches in height. The tobacco crop condition was reported as 6 percent very poor, 15 percent poor, 33 percent fair, 42 percent good, and 4 percent excellent.

CORN: Almost all of the planted crop had emerged by Sunday, June 10. Corn condition was rated 3

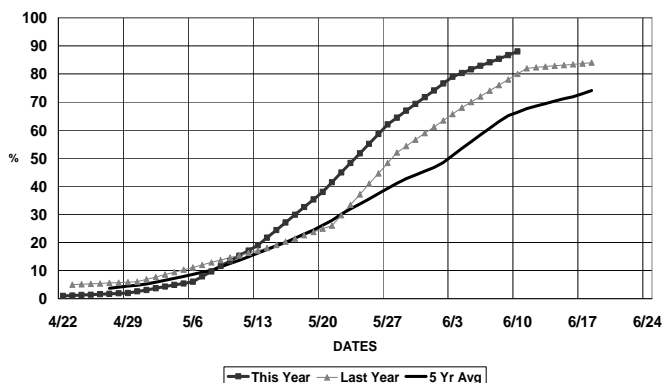
percent very poor, 11 percent poor, 22 percent fair, 51 percent good, and 13 percent excellent. A little corn for silage remains to be planted. Several reports were received of corn twisting due to dry conditions.

SOYBEANS: As of Sunday, June 10, 88 percent of the soybeans had been planted, ahead of the 80 percent reported last year and the average of 66. Seventy-seven percent of the soybeans planted had emerged which was ahead of last year's 60 percent and the five year average of 52 percent. Soybean condition was rated 2 percent very poor, 8 percent poor, 27 percent fair, 50 percent good, and 13 percent excellent. Average height of emerged soybeans was 4 inches.

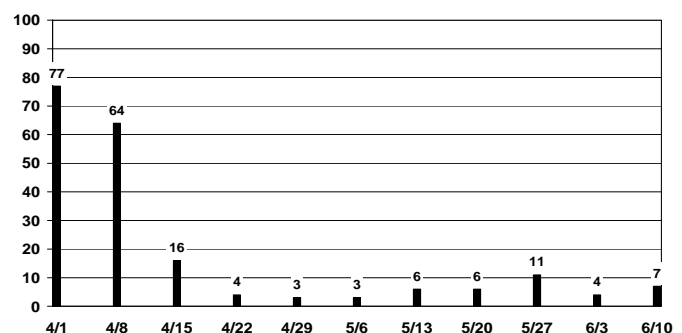
SMALL GRAINS: Wheat harvest was underway, with 9 percent of the freeze reduced crop harvested, compared with 14 percent a year ago and the average of 7 percent. Early reports showed widely varied yields and test weights. Winter wheat condition was rated 33 percent very poor, 31 percent poor, 29 percent fair, and 7 percent good. Barley harvest was 45 percent complete compared with 76 percent last year and the average of 58.

OTHER CROPS AND PASTURE: About 85 percent of the sorghum acres had been planted as of Sunday, June 10 compared with 68 percent a year ago and the average of 67. Pasture condition was rated 12 percent very poor, 37 percent poor, 37 percent fair, 13 percent good, and 1 percent excellent. Pastures in some areas are not meeting livestock feed requirements and producers are feeding hay as supplement. Hay crops have been short in many areas so far this year leading to some concern about winter feed supplies for livestock.

SOYBEAN PLANTED PROGRESS



**Winter Wheat Condition
% Good to Excellent**



KENTUCKY CROP PROGRESS

WEEK ENDING JUNE 10, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn Emerged	99	98	95	97	94
Soybeans					
Planted	88	80	66	79	88
Emerged	77	60	52	63	70
Sorghum Planted	85	68	67	75	54
Barley Harvested	45	76	58	40	NA
Wheat Harvested	9	14	7	8	1
Burley Tobacco Set	85	79	76	80	NA
Dark Tobacco Set	85	78	77	72	NA

(NA)Data Not Available.

SOIL MOISTURE

WEEK ENDING JUNE 10, 2007

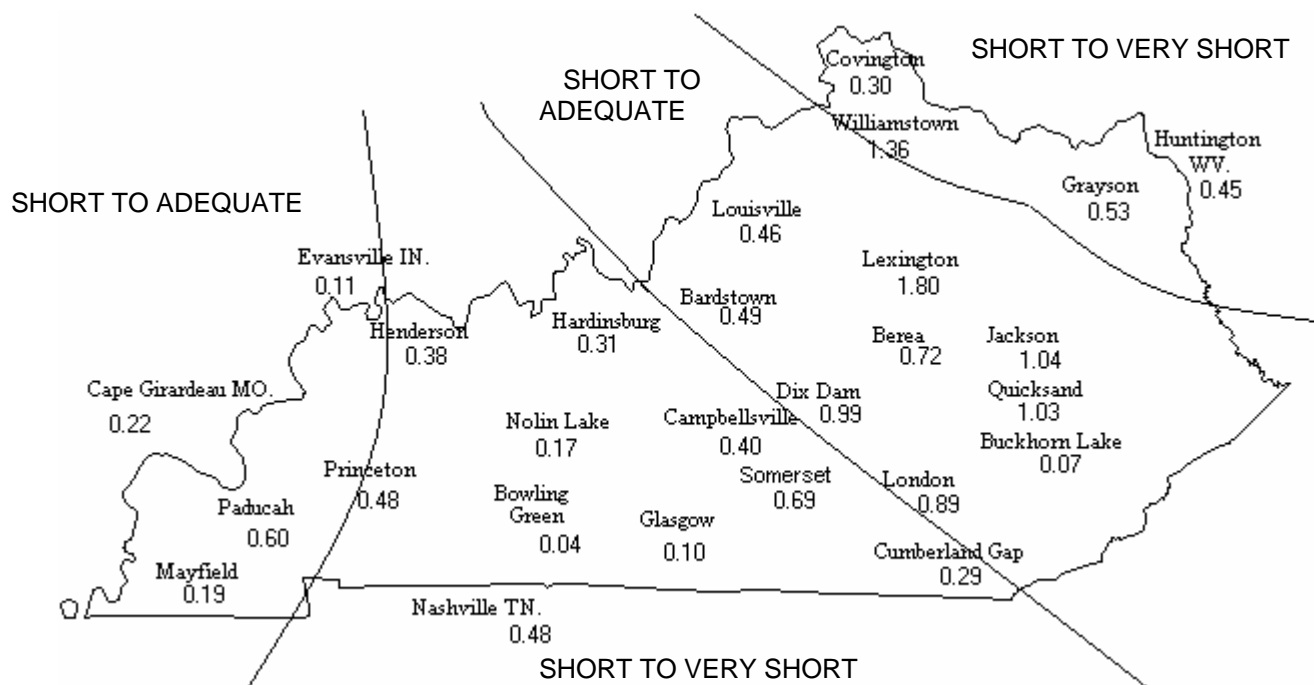
	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	35	40
Short	41	43
Adequate	21	17
Surplus	3	0
SUBSOIL		
Very Short	26	23
Short	44	50
Adequate	29	25
Surplus	1	2

KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING JUNE 10, 2007						WEEK ENDING JUNE 3, 2007				
CROP	VERY POOR		FAIR	GOOD	EXCEL-LENT	VERY POOR		FAIR	GOOD	EXCEL-LENT
	POOR	POOR				POOR	POOR			
Corn	3	11	22	51	13	2	8	31	43	16
Soybeans	2	8	27	50	13	2	6	28	48	16
Wheat	33	31	29	7	0	47	21	28	4	0
Pasture	12	37	37	13	1	11	25	40	23	1
Tobacco Set	6	15	33	42	4	5	12	32	43	8

PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION

WEEK ENDING JUNE 10, 2007



KENTUCKY WEATHER SUMMARY, JUNE 4 - 10, 2007:

Above Normal Temperatures and Below Normal Rainfall:

Scattered to numerous showers and thunderstorms provided beneficial rainfall to mainly Bluegrass and Eastern sections of the State. Rainfall in west and central areas was limited. The end result was below normal rainfall for the State for the 5th straight week and above normal temperatures for the 3rd straight week. Hydrologic and agricultural drought continued across the State.

Temperatures for the 7 day period averaged 73 degrees across the State which was 1 degree above normal and 2 degrees cooler than the previous week. High temperatures averaged from 85 in the West to 83 in the East. Departure from normal high temperatures ranged from 1 degree below normal in the West to 2 degrees above normal in the East. Low temperatures averaged from 61 degrees in the West to 61 degrees in the East. Departure from normal low temperature ranged from 1 degree below normal in the West to near normal in the East.

Rainfall for the period totaled 0.53 inches statewide which was 0.36 inches below normal. Rainfall totals by climate division, West 0.30 inches, Central 0.26 inches, Bluegrass 0.99 inches and East 0.57 inches, which was -0.56, -0.66, +0.11 and -0.34 inches respectively from normal. By station, precipitation totals ranged from a low of 0.04 inches at Bowling Green to a high of 1.80 inches at Lexington.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

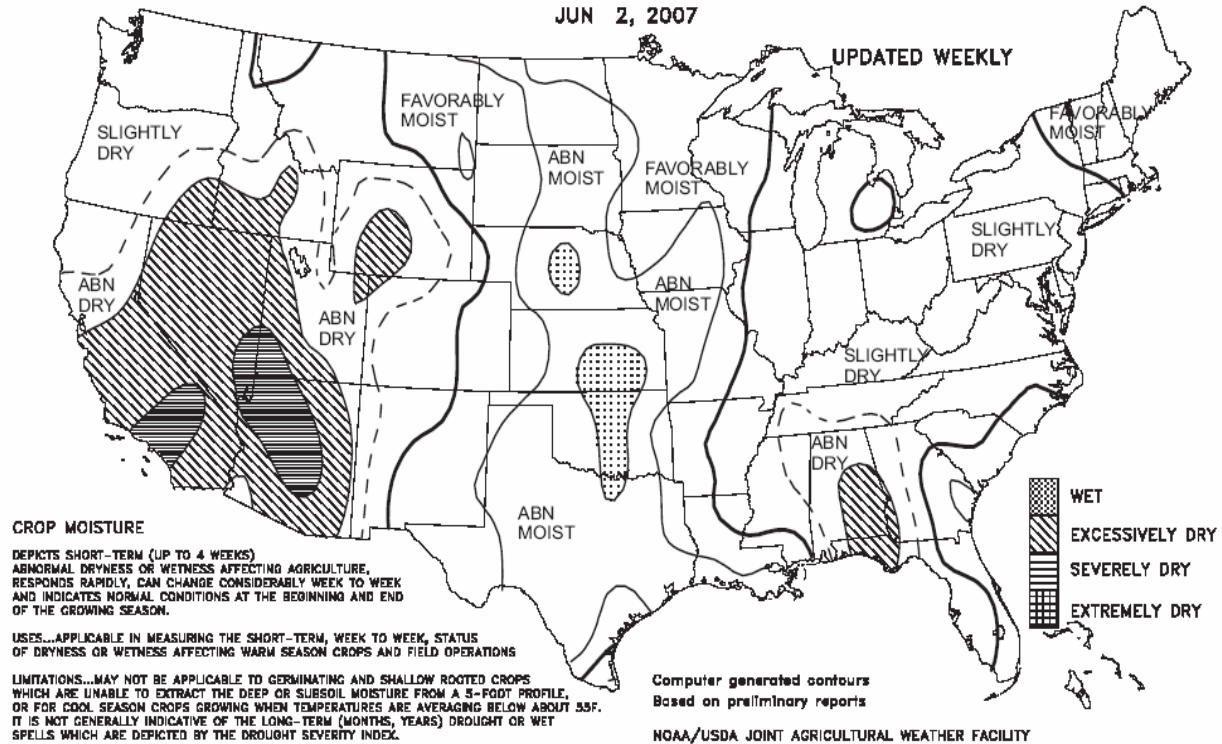
FOR WEEK ENDING SUNDAY, JUNE 10, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	0.49	6.72	0.67	-2.85	-3.15	90	54	72.3	+0	151	1103	+118
Berea	0.72	7.12	1.77	-3.27	-2.34	90	51	73.3	+2	158	1089	+73
Bowling Green	0.04	7.27	0.77	-3.38	-3.49	93	55	74.9	+3	166	1167	+141
Bristol	0.32	3.72	0.55	-4.66	-2.89	93	53	71.9	+1	144	993	+79
Buckhorn Lake	0.07	4.93	0.61	-4.31	-3.16	90	54	72.6	+2	155	1083	+189
Cape Girardeau	0.22	6.61	1.40	-4.17	-2.77	93	55	73.4	-0	157	1158	+91
Campbellsville	0.40	9.56	1.50	-1.76	-2.90	89	53	73.0	+1	156	1108	+102
Covington	0.30	4.39	1.08	-4.92	-2.69	93	51	71.2	+0	142	1005	+131
Cumberland Gap	0.29	6.21	0.43	-4.10	-3.78	90	54	72.6	+2	155	1082	+178
Dix Dam	0.99	7.49	1.21	-2.69	-2.77	90	53	72.2	+1	151	1057	+72
Evansville	0.11	7.37	1.53	-2.56	-2.39	89	54	72.7	-1	156	1115	+119
Glasgow	0.10	7.62	0.79	-3.52	-3.68	92	54	74.8	+3	166	1181	+225
Grayson	0.53	6.22	1.91	-2.95	-1.84	92	56	71.9	+1	146	1038	+205
Hardinsburg	0.31	6.75	1.23	-3.69	-2.86	89	56	73.2	+1	158	1168	+142
Henderson	0.38	8.29	0.99	-1.78	-2.92	90	56	72.9	-1	156	1125	+99
Huntington	0.45	5.00	1.54	-4.09	-2.17	93	55	72.1	+1	146	1037	+133
Jackson	1.04	4.67	2.03	-5.18	-1.84	89	54	71.2	+0	145	1065	+171
Lexington	1.80	7.26	2.24	-2.31	-1.58	91	52	71.4	+0	145	1027	+143
London	0.89	6.56	1.42	-2.83	-2.26	91	53	72.9	+2	155	1064	+160
Louisville	0.46	7.62	1.25	-2.38	-2.59	90	56	72.1	+0	150	1075	+79
Mayfield	0.19	4.84	0.79	-6.34	-3.24	90	54	72.6	-1	155	1090	+3
Nashville	0.48	6.53	0.97	-3.91	-3.05	91	60	76.7	+5	177	1225	+128
Nolin Lake	0.17	8.81	2.47	-2.51	-2.02	91	56	74.2	+2	164	1173	+208
Paducah	0.60	7.09	2.30	-4.21	-1.92	91	57	73.6	-0	160	1178	+111
Princeton	0.48	7.30	1.71	-3.74	-2.45	90	55	73.4	-1	157	1239	+183
Quicksand	1.03	4.61	2.01	-5.24	-1.86	90	54	72.6	+2	155	1087	+193
Somerset	0.69	6.60	1.44	-4.23	-2.92	89	52	71.9	+1	148	1002	+27
Spindletop	0.78	6.13	1.55	-3.44	-2.27	90	54	71.0	-0	143	1011	+127
Williamstown	1.36	8.26	1.90	-1.56	-1.92	92	52	71.3	+0	145	1014	+130

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

Crop Moisture
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE
JUN 2, 2007

UPDATED WEEKLY



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